

WEST Search History

DATE: Tuesday, March 14, 2006

Hide?	<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L75	L74 and ((flat\$4 or planar or tape) with (spring) with (support\$3 or member or shaft or rod or beam or projection) with (((element or unit or sens\$3 detect\$3) with (heat\$3 or thermal\$2 or temperature)) or thermometer or thermist\$2))	1
<input type="checkbox"/>	L74	L73 and (((element or unit or sens\$3 detect\$3) with (heat\$3 or thermal\$2 or temperature)) or thermometer or thermist\$2) with (mount\$4 or affix\$4 or afix\$4 or secur\$3 or held or retain\$4) with (support or member or shaft or rod or beam or projection))	21
<input type="checkbox"/>	L73	L72 and ((element or unit or sens\$3 detect\$3) with (position\$4 or locat\$4) with (direction\$4 or upstream or up-stream or downstream or down-stream) with (contact\$4))	105
<input type="checkbox"/>	L72	((399/44.ccls.) or (399/67-70.ccls.) or (L68))	13250
<input type="checkbox"/>	L71	L70 and ((flat\$4 or planar or tape) with (spring) with (support\$3 or member or shaft or rod or beam or projection) with (((element or unit or sens\$3 detect\$3) with (heat\$3 or thermal\$2 or temperature)) or thermometer or thermist\$2))	1
<input type="checkbox"/>	L70	L69 and (((element or unit or sens\$3 detect\$3) with (heat\$3 or thermal\$2 or temperature)) or thermometer or thermist\$2) with (mount\$4 or affix\$4 or afix\$4 or secur\$3 or held or retain\$4) with (support or member or shaft or rod or beam or projection))	20
<input type="checkbox"/>	L69	L68 and ((element or unit or sens\$3 detect\$3) with (position\$4 or locat\$4) with (direction\$4 or upstream or up-stream or downstream or down-stream) with (contact\$4))	91
<input type="checkbox"/>	L68	((399/323 399/324 399/325 399/326 399/327 399/328 399/329 399/330 399/331 399/332 399/333 399/334 399/335).ccls.) or ((219/216).ccls.) or (219.619.ccls.) or ((219/667 219/668 219/669 219/670 219/671 219/672).ccls.) or ((101/463.1).ccls.))	12379
<input type="checkbox"/>	L67	L66 and ((element or unit or sens\$3 detect\$3) with (position\$4 or locat\$4) with (direction\$4 or upstream or up-stream or downstream or down-stream) with (contact\$4))	1
<input type="checkbox"/>	L66	L65 and (((element or unit or sens\$3 detect\$3) with (heat\$3 or thermal\$2 or temperature)) or thermometer or thermist\$2) with (mount\$4 or affix\$4 or afix\$4 or secur\$3 or held or retain\$4) with (support or member or shaft or rod or beam or projection))	83
<input type="checkbox"/>	L65	L64 and ((flat\$4 or planar or tape) with (spring) with (support\$3 or member or shaft or rod or beam or projection) with (((element or unit or sens\$3 detect\$3) with (heat\$3 or thermal\$2 or temperature)) or thermometer or thermist\$2))	84
<input type="checkbox"/>	L64	L25 and ((imag\$4) with (develop\$3 or development or toner))	4718
<input type="checkbox"/>	L63	L62 and ((imag\$4) with (develop\$3 or development or toner))	1

<input type="checkbox"/>	L62	L61 and (((element or unit or sens\$3 detect\$3) with (heat\$3 or thermal\$2 or temperature))) or thermometer or thermist\$2) with (mount\$4 or affix\$4 or afix\$4 oe secur\$3 or held or retain\$4) with (support or member or shaft or rod or beam))	4
<input type="checkbox"/>	L61	L60 and ((element or unit or sens\$3 detect\$3) with (position\$4 or locat\$4) with (direction\$4 or upstream or up-stream or downstream or down-stream) with (contact\$4))	4
<input type="checkbox"/>	L60	L25 and ((flat\$4 or planar or tape) with (spring) with (support\$3 or member or shaft or rod or beam or projection) with (((element or unit or sens\$3 detect\$3) with (heat\$3 or thermal\$2 or temperature))) or thermometer or thermist\$2))	109
<input type="checkbox"/>	L59	L53 and ((flat\$4 or planar or tape) with (spring) with (support\$3 or member or shaft or rod or beam or projection) with (((element or unit or sens\$3 detect\$3) with (heat\$3 or thermal\$2 or temperature))) or thermometer or thermist\$2))	1
<input type="checkbox"/>	L58	L53 and ((flat\$4 or planar or tape) with (spring) with (support or member or shaft or rod or beam or projection) with (((element or unit or sens\$3 detect\$3) with (heat\$3 or thermal\$2 or temperature))) or thermometer or thermist\$2))	0
<input type="checkbox"/>	L57	L53 and ((flat\$4 or planar or tape) with (support or member or shaft or rod or beam or projection or spring) with (((element or unit or sens\$3 detect\$3) with (heat\$3 or thermal\$2 or temperature))) or thermometer or thermist\$2))	2
<input type="checkbox"/>	L56	L55 and ((flat\$4 or planar or tape) with (support or member or shaft or rod or beam or projection or spring))	1
<input type="checkbox"/>	L55	6114660	5
<input type="checkbox"/>	L54	L53 and ((flat\$4 or planar or tape) with (support or member or shaft or rod or beam or projection or spring))	2
<input type="checkbox"/>	L53	L36 and ((element or unit or sens\$3 detect\$3) with (locat\$4) with (direction\$4 or upstream or up-stream or downstream or down-stream) with (contact\$4) with (position\$4) with (rotatable or rotating or rotated or rotate or rotational\$2 or wind\$4 or move or turn or turnable or turned or turning or moves or moved or movable or moving or movement) with ((heat\$3 or thermal\$2 or temperature) with (roller or member or means)))	3
<input type="checkbox"/>	L52	L43 and ((element or unit or sens\$3 detect\$3) with (locat\$4) with (direction\$4 or upstream or up-stream or downstream or down-stream) with (contact\$4) with (position\$4) with (rotatable or rotating or rotated or rotate or rotational\$2 or wind\$4 or move or turn or turnable or turned or turning or moves or moved or movable or moving or movement) with ((heat\$3 or thermal\$2 or temperature) with (roller or member or means)))	2
<input type="checkbox"/>	L51	L50 and ((flat\$4 or planar or tape) with (spring))	1
<input type="checkbox"/>	L50	L49 and ((element or unit or sens\$3 detect\$3) with (locat\$4) with (direction\$4 or upstream or up-stream or downstream or down-stream) with (contact\$4) with (position\$4) with (rotatable or rotating or rotated or rotate or rotational\$2 or wind\$4 or move or turn or turnable or turned or turning or moves or moved or movable or moving or movement) with ((heat\$3 or thermal\$2 or temperature) with (roller or member or means)))	2
<input type="checkbox"/>	L49	L48 and ((element or unit or sens\$3 detect\$3) with (locat\$4) with (direction\$4 or upstream or up-stream or downstream or down-stream) with (contact\$4) with (position\$4))	2
		L47 and ((rotatable or rotating or rotated or rotate or rotational\$2 or wind\$4 or	

<input type="checkbox"/>	L48	move or turn or turnable or turned or turning or moves or moved or movable or moving or movement) with (direction\$4 or upstream or up-stream or downstream or down-stream) with ((heat\$3 or thermal\$2 or temperature) with (roller or member or means)))	13
<input type="checkbox"/>	L47	L46 and (((element or unit or sens\$3 detect\$3) with (heat\$3 or thermal\$2 or temperature)) or thermometer or thermist\$2) with ((press\$4 or contact\$4) with (position\$4 or locat\$4)) with (support or member or shaft or rod or beam))	16
<input type="checkbox"/>	L46	L45 and ((press\$4 or contact\$4) with (position\$4 or locat\$4) with (support or member or shaft or rod or beam))	20
<input type="checkbox"/>	L45	L44 and ((press\$4 or contact\$4) with (position\$4 or locat\$4))	22
<input type="checkbox"/>	L44	L43 and (((element or unit or sens\$3 detect\$3) with (heat\$3 or thermal\$2 or temperature)) or thermometer or thermist\$2) with (mount\$4 or affix\$4 or afix\$4 or secur\$3 or held or retain\$4) with (support or member or shaft or rod or beam))	22
<input type="checkbox"/>	L43	L36 and ((circumference or circumferential\$2 or surface or perimeter) with (heat\$3 or thermal\$2 or temperature) with (roller or member or means))	80
<input type="checkbox"/>	L42	L41 and ((circumference or circumferential\$2 or surface or perimeter) with (heat\$3 or thermal\$2 or temperature) with (roller or member or means))	6
<input type="checkbox"/>	L41	L40 and ((heat\$3 or thermal\$2 or temperature) with (roller or member or means))	6
<input type="checkbox"/>	L40	L39 and ((support\$3 or shaft\$3 or roller or member or means) with (position\$4 or locat\$4) with (contact\$4))	6
<input type="checkbox"/>	L39	L38 and ((press\$4 or contact\$4) with (position\$4 or locat\$4))	6
<input type="checkbox"/>	L38	L36 and (((plate or plane or flat or flatten or flattening or flattened or pancake or slab or slice) with ((heat\$3 or thermal\$2 or temperature or melt\$3) with (resist\$4)) with (film or coating)))	6
<input type="checkbox"/>	L37	L36 and (pressfit\$4 or press-fit\$4 or press-contact\$4 or presscontact\$4 or "press fit\$4" or "press contact\$4")	8
<input type="checkbox"/>	L36	L35 and ((element or unit or sens\$3 detect\$3) with (position\$4 or locat\$4) with (direction\$4 or upstream or up-stream or downstream or down-stream) with (contact\$4))	111
<input type="checkbox"/>	L35	L34 and (press\$4)	873
<input type="checkbox"/>	L34	L33 and (support\$3 or position\$4 or contact\$3 or shaft\$3)	912
<input type="checkbox"/>	L33	L32 and (((element or unit or sens\$3 detect\$3) with (heat\$3 or thermal\$2 or temperature)) or thermometer or thermist\$2) with (direction\$4 or upstream or up-stream or downstream or down-stream))	916
<input type="checkbox"/>	L32	L31 and (((element or unit or sens\$3 detect\$3) with (heat\$3 or thermal\$2 or temperature)) or thermometer or thermist\$2)	2525
<input type="checkbox"/>	L31	L30 and ((imag\$4) with (develop\$3 or development or toner))	3424
<input type="checkbox"/>	L30	L29 and ((rotatable or rotating or rotated or rotate or rotational\$2 or wind\$4 or move or turn or turnable or turned or turning or moves or moved or movable or moving or movement) with (direction\$4 or upstream or up-stream or downstream or down-stream))	3825
<input type="checkbox"/>	L29	L28 and (direction\$4 or upstream or up-stream or downstream or down-stream)	4408
<input type="checkbox"/>	L28	L27 and (circumference or circumferential\$2 or surface or perimeter)	4665

<input type="checkbox"/>	L27	L26 and ((heat\$3 or thermal\$2 or temperature or thermometer or melt\$3) with (develop\$3 or development or toner))	4741
<input type="checkbox"/>	L26	L25 and (imag\$4)	6351
<input type="checkbox"/>	L25	L9 and (develop\$3 or development or toner)	14742
<input type="checkbox"/>	L24	L23 and ((record\$3 or captur\$4 or medium) with (develop\$3 or development))	20
<input type="checkbox"/>	L23	L22 and ((heat\$3 or thermal\$2 or temperature or melt\$3)with (roller or member or means) with (resist\$4) with (film or coating))	43
<input type="checkbox"/>	L22	L21 and ((heat\$3 or thermal\$2 or temperature or thermometer or melt\$3) with (roller or member or means) with (rotatable or rotating or rotated or rotate or rotational\$2 or wind\$4 or move or turn or turnable or turned or turning or moves or moved or movable or moving or movement) with (direction\$4))	56
<input type="checkbox"/>	L21	L20 and (support\$3 or position\$4 or contact\$3)	68
<input type="checkbox"/>	L20	L19 and (((plate or plane or flat or flatten or flatening or flattened or pancake or slab or slice) with ((heat\$3 or thermal\$2 or temperature or melt\$3) with (resist\$4)) with (film or coating)))	68
<input type="checkbox"/>	L19	L18 and (((heat\$3 or thermal\$2 or temperature or melt\$3) with (resist\$4)) with (film or coating))	536
<input type="checkbox"/>	L18	L17 and (press\$4)	999
<input type="checkbox"/>	L17	L16 and ((heat\$3 or thermal\$2 or temperature or melt\$3) with (resist\$4))	1036
<input type="checkbox"/>	L16	L15 and (film or coating)	1692
<input type="checkbox"/>	L15	L14 and ((rotatable or rotating or rotated or rotate or rotational\$2 or wind\$4 or move or turn or turnable or turned or turning or moves or moved or movable or moving or movement) with (direction\$4))	2166
<input type="checkbox"/>	L14	L13 and (direction\$4)	2524
<input type="checkbox"/>	L13	L12 and (circumference or circumferential\$2 or surface or perimeter)	2687
<input type="checkbox"/>	L12	L11 and ((heat\$3 or thermal\$2 or temperature or thermometer or melt\$3) with (develop\$3 or development))	2726
<input type="checkbox"/>	L11	L10 and (imag\$4)	5897
<input type="checkbox"/>	L10	L9 and (develop\$3 or development)	14238
<input type="checkbox"/>	L9	L8 and ((heat\$3 or thermal\$2 or temperature or thermometer) with (roller or member or means) with (rotatable or rotating or rotated or rotate or rotational\$2 or wind\$4 or move or turn or turnable or turned or turning or moves or moved or movable or moving or movement))	43035
<input type="checkbox"/>	L8	L7 and ((heat\$3 or thermal\$2 or temperature or thermometer) with (roller or member or means))	137107
<input type="checkbox"/>	L7	L6 and (plate or plane or flat or flatten or flatening or flattened or pancake or slab or slice)	479446
<input type="checkbox"/>	L6	L5 and (fix\$4 or fus\$4)	653022
<input type="checkbox"/>	L5	L3 and (rotatable or rotating or rotated or rotate or rotational\$2 or wind\$4 or move or turn or turnable or turned or turning or moves or moved or movable or moving or movement)	1180732
<input type="checkbox"/>	L4	L3 and (rotatable or rotating or rotated or rotate or rotational\$2 or wind\$4 or mov\$4 or turn\$4)	1163519
<input type="checkbox"/>	L3	L2 and (roller or member or means)	1739149

- | | | | |
|--------------------------|----|---|---------|
| <input type="checkbox"/> | L2 | (heat\$3 or thermal\$2 or temperature or thermometer) | 7078649 |
| <input type="checkbox"/> | L1 | (heat\$3 or thermal\$2 or temperature) | 7071911 |

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Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 20040240912 A1

Using default format because multiple data bases are involved.

L71: Entry 1 of 1

File: PGPB

Dec 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040240912

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040240912 A1

TITLE: Fixing unit and image forming apparatus

PUBLICATION-DATE: December 2, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Fujita, Shinsuke	Tokyo		JP
Mizuno, Kyoichi	Tokyo		JP

US-CL-CURRENT: 399/328; 399/330

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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SHAFTS	523293
ROD	1593815

(L70 AND ((FLAT\$4 OR PLANAR OR TAPE) WITH (SPRING) WITH (SUPPORT\$3 OR MEMBER OR SHAFT OR ROD OR BEAM OR PROJECTION) WITH (((ELEMENT OR UNIT OR SENS\$3 DETECT\$3) WITH (HEAT\$3 OR THERMAL\$2 OR TEMPERATURE)) OR THERMOMETER OR THERMIST\$2))) .PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	1
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Search Results - Record(s) 1 through 21 of 21 returned.

☐ 1. Document ID: US 20060027113 A1

Using default format because multiple data bases are involved.

L74: Entry 1 of 21

File: PGPB

Feb 9, 2006

PGPUB-DOCUMENT-NUMBER: 20060027113

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060027113 A1

TITLE: Method and apparatus for thermal development with supporting surface for a development medium

PUBLICATION-DATE: February 9, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hackler; Mark A.	Ocean	NJ	US
Kannurpatti; Anandkumar R.	E. Windsor	NJ	US
McMillen; Robert A.	Downingtown	PA	US
Scheske; Todd M.	Rochester	NY	US

US-CL-CURRENT: 101/463.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	IPC	Drawings
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☐ 2. Document ID: US 20050036809 A1

L74: Entry 2 of 21

File: PGPB

Feb 17, 2005

PGPUB-DOCUMENT-NUMBER: 20050036809

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050036809 A1

TITLE: Image heating apparatus

PUBLICATION-DATE: February 17, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Fukita, Taku	Mishima-shi		JP
Nanataki, Hideo	Yokohama-shi		JP
Sano, Tetsuya	Shizuoka-ken		JP

Hotta, Yozo	Mishima-shi	JP
Kemmochi, Kazuhisa	Mishima-shi	JP
Fukatsu, Makoto	Mishima-shi	JP
Abe, Keisuke	Shizuoka-ken	JP

US-CL-CURRENT: 399/328

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 3. Document ID: US 20050031385 A1

L74: Entry 3 of 21

File: PGPB

Feb 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050031385
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050031385 A1

TITLE: Image forming apparatus

PUBLICATION-DATE: February 10, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Murata, Hiroshi	Yokohama-shi		JP

US-CL-CURRENT: 399/323

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 4. Document ID: US 20040240912 A1

L74: Entry 4 of 21

File: PGPB

Dec 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040240912
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040240912 A1

TITLE: Fixing unit and image forming apparatus

PUBLICATION-DATE: December 2, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Fujita, Shinsuke	Tokyo		JP
Mizuno, Kyoichi	Tokyo		JP

US-CL-CURRENT: 399/328; 399/330

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 5. Document ID: US 20040234290 A1

L74: Entry 5 of 21

File: PGPB

Nov 25, 2004

PGPUB-DOCUMENT-NUMBER: 20040234290
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040234290 A1

TITLE: Thermal fixing device and image forming apparatus

PUBLICATION-DATE: November 25, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tomatsu, Yoshiya	Kasugai-shi		JP

US-CL-CURRENT: 399/67; 399/328, 399/69

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	IMC	Name D
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☐ 6. Document ID: US 20040184846 A1

L74: Entry 6 of 21

File: PGPB

Sep 23, 2004

PGPUB-DOCUMENT-NUMBER: 20040184846
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040184846 A1

TITLE: Image forming apparatus

PUBLICATION-DATE: September 23, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Murata, Hiroshi	Yokohama-shi		JP

US-CL-CURRENT: 399/328; 219/619

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	IMC	Name D
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☐ 7. Document ID: US 20020118982 A1

L74: Entry 7 of 21

File: PGPB

Aug 29, 2002

PGPUB-DOCUMENT-NUMBER: 20020118982
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020118982 A1

TITLE: Fixing unit and image forming apparatus

PUBLICATION-DATE: August 29, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Fuma, Hiroshi	Yamanashi		JP

US-CL-CURRENT: 399/329; 219/216

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIG	Draw D
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☐ 8. Document ID: US 20020118978 A1

L74: Entry 8 of 21

File: PGPB

Aug 29, 2002

PGPUB-DOCUMENT-NUMBER: 20020118978

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020118978 A1

TITLE: Image heating apparatus

PUBLICATION-DATE: August 29, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Nakamura, Naoki	Boise	ID	US
Nishitani, Hitoshi	Ibaraki		JP

US-CL-CURRENT: 399/69

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIG	Draw D
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☐ 9. Document ID: US 6973284 B2

L74: Entry 9 of 21

File: USPT

Dec 6, 2005

US-PAT-NO: 6973284

DOCUMENT-IDENTIFIER: US 6973284 B2

TITLE: Induction heating apparatus having sheet releasing mechanism

DATE-ISSUED: December 6, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Murata; Hiroshi	Yokohama			JP

US-CL-CURRENT: 399/323; 219/216, 219/619, 399/300, 399/329

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIG	Draw D
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☐ 10. Document ID: US 6871039 B2

L74: Entry 10 of 21

File: USPT

Mar 22, 2005

US-PAT-NO: 6871039

DOCUMENT-IDENTIFIER: US 6871039 B2

TITLE: Induction heating apparatus having sheet releasing mechanism

DATE-ISSUED: March 22, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Murata; Hiroshi	Yokohama			JP

US-CL-CURRENT: 399/323; 219/216, 219/619, 399/329, 399/330

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. D.
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☐ 11. Document ID: US 6671471 B2

L74: Entry 11 of 21

File: USPT

Dec 30, 2003

US-PAT-NO: 6671471

DOCUMENT-IDENTIFIER: US 6671471 B2

**** See image for Certificate of Correction ****

TITLE: Image heating apparatus

DATE-ISSUED: December 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nakamura; Naoki	Boise	ID		
Nishitani; Hitoshi	Ibaraki			JP

US-CL-CURRENT: 399/69; 219/216, 374/153, 399/320

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. D.
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☐ 12. Document ID: US 6650863 B2

L74: Entry 12 of 21

File: USPT

Nov 18, 2003

US-PAT-NO: 6650863

DOCUMENT-IDENTIFIER: US 6650863 B2

TITLE: Fixing unit and image forming apparatus

DATE-ISSUED: November 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fuma; Hiroshi	Yamahashi			JP

US-CL-CURRENT: 399/329; 219/216, 399/328, 399/334

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 13. Document ID: US 6577840 B2

L74: Entry 13 of 21

File: USPT

Jun 10, 2003

US-PAT-NO: 6577840

DOCUMENT-IDENTIFIER: US 6577840 B2

TITLE: Method and apparatus for image forming capable of effectively performing an image fixing process

DATE-ISSUED: June 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hachisuka; Toshiharu	Kanagawa-ken			JP
Yamada; Masamichi	Kanagawa-ken			JP

US-CL-CURRENT: 399/329; 219/216, 399/328

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 14. Document ID: US 6114660 A

L74: Entry 14 of 21

File: USPT

Sep 5, 2000

US-PAT-NO: 6114660

DOCUMENT-IDENTIFIER: US 6114660 A

TITLE: Photothermographic element processor with flaps

DATE-ISSUED: September 5, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Donaldson; Eric J.	St. Paul	MN		
Preszler; Duane A.	River Falls	WI		

US-CL-CURRENT: 219/216; 347/156

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 15. Document ID: US 5502967 A

L74: Entry 15 of 21

File: USPT

Apr 2, 1996

US-PAT-NO: 5502967

DOCUMENT-IDENTIFIER: US 5502967 A

**** See image for Certificate of Correction ****

TITLE: Color variation inducing device

DATE-ISSUED: April 2, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nakagawa; Tanehiro	Nagoya			JP
Tomatsu; Tsutomu	Nagoya			JP
Ono; Yoshiaki	Gifu			JP

US-CL-CURRENT: 62/3.3; 219/216, 219/229, 62/3.2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 16. Document ID: US 5365320 A

L74: Entry 16 of 21

File: USPT

Nov 15, 1994

US-PAT-NO: 5365320

DOCUMENT-IDENTIFIER: US 5365320 A

**** See image for Certificate of Correction ****

TITLE: Sheet warp prevention mechanism employed in a fixing unit of an electrophotographic printer

DATE-ISSUED: November 15, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Takano; Masatoshi	Akikawa			JP
Hirano; Masakazu	Tokyo			JP

US-CL-CURRENT: 399/322; 219/216

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 17. Document ID: US 5315359 A

L74: Entry 17 of 21

File: USPT

May 24, 1994

US-PAT-NO: 5315359

DOCUMENT-IDENTIFIER: US 5315359 A

TITLE: Heat roll fixing unit

DATE-ISSUED: May 24, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nishikawa; Tomoyuki	Matsudo			JP

US-CL-CURRENT: 399/323; 271/308, 271/311, 399/328

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 18. Document ID: US 4464561 A

L74: Entry 18 of 21

File: USPT

Aug 7, 1984

US-PAT-NO: 4464561

DOCUMENT-IDENTIFIER: US 4464561 A

TITLE: Development unit for dry silver recording paper

DATE-ISSUED: August 7, 1984

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hulin; David K.	Bramley			GB2

US-CL-CURRENT: 219/216; 219/388, 432/230

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 19. Document ID: US 4065120 A

L74: Entry 19 of 21

File: USPT

Dec 27, 1977

US-PAT-NO: 4065120

DOCUMENT-IDENTIFIER: US 4065120 A

TITLE: Copy paper stripping means

DATE-ISSUED: December 27, 1977

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Imaizumi; Masaru	Shinshiro			JA
Inagaki; Syotaro	Okazaki			JA

US-CL-CURRENT: 271/311; 118/245, 271/900, 399/323, 432/60

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 20. Document ID: US 3452181 A

L74: Entry 20 of 21

File: USOC

Jun 24, 1969

US-PAT-NO: 3452181

DOCUMENT-IDENTIFIER: US 3452181 A

TITLE: ROLL FUSING DEVICE FOR XEROGRAPHIC MATERIAL

DATE-ISSUED: June 24, 1969

INVENTOR-NAME: STRYJEWSKI WALTER ANTHONY

US-CL-CURRENT: 219/216, 219/388, 219/469, 219/470, 250/319, 392/417, 392/421,
399/324, 399/330, 432/230, 432/31, 432/8

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. D
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☐ 21. Document ID: US 2813959 A

L74: Entry 21 of 21

File: USOC

Nov 19, 1957

US-PAT-NO: 2813959

DOCUMENT-IDENTIFIER: US 2813959 A

TITLE: Billet holding and handling apparatus for electric induction heaters

DATE-ISSUED: November 19, 1957

INVENTOR-NAME: MITCHELL GEORGE A; GAYETSKY ELMER J

US-CL-CURRENT: 219/650, 219/637, 219/667

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. D
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Term	Documents
ELEMENT	3570209
ELEMENTS	3311284
UNIT	4834215
UNITS	1686766
TEMPERATURE	3571279
TEMP	852487
TEMPS	79786

TEMPERATURES	1151222
THERMOMETER	98849
THERMOMETERS	10923
HELD	2711311
(L73 AND (((ELEMENT OR UNIT OR SENS\$3 DETECT\$3) WITH (HEAT\$3 OR THERMAL\$2 OR TEMPERATURE)) OR THERMOMETER OR THERMIST\$2) WITH (MOUNT\$4 OR AFFIX\$4 OR AFIX\$4 OR SECUR\$3 OR HELD OR RETAIN\$4) WITH (SUPPORT OR MEMBER OR SHAFT OR ROD OR BEAM OR PROJECTION))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	21

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☐ 1. Document ID: US 20040240912 A1

Using default format because multiple data bases are involved.

L75: Entry 1 of 1

File: PGPB

Dec 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040240912

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040240912 A1

TITLE: Fixing unit and image forming apparatus

PUBLICATION-DATE: December 2, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Fujita, Shinsuke	Tokyo		JP
Mizuno, Kyoichi	Tokyo		JP

US-CL-CURRENT: 399/328; 399/330

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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Generate Collection

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Generate OACS

Term	Documents
PLANAR	558681
PLANARS	174
TAPE	694311
TAPES	126892
SPRING	2387428
SPRINGS	689608
MEMBER	3853436
MEMBERS	2195011
SHAFT	2384192
SHAFTS	523293
ROD	1593815

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